

9482 Sequence listing.txt  
 SEQUENCE LISTING

AP16 Rec'd PCT/PTO 06 DEC 2005

<110> ICH Productions Limited

<120> PEPTIDE LIGANDS

<130> 9482 WO

<160> 50

<170> PatentIn version 3.1

<210> 1

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<220>

<221> MISC\_FEATURE

<222> (2)..(4)

<223> Xaa at position 2 = any amino acid residue, Xaa at position 3 = a  
 ny amino acid residue, Xaa at position 4 = any amino acid residue

<400> 1

Pro Xaa Xaa Xaa Thr  
 1 5

<210> 2

<211> 4

<212> PRT

<213> Artificial Sequence

## 9482 Sequence listing.txt

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (3)..(3)

&lt;223&gt; Xaa at position 3 = any amino acid residue

&lt;400&gt; 2

Pro Ser Xaa Ser

1

&lt;210&gt; 3

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (2)..(4)

&lt;223&gt; Xaa at position 2 = any amino acid, Xaa at position 3 = any amino acid having an amide side chain, Xaa at position 4 = any amino acid

&lt;400&gt; 3

Gln Xaa Xaa Xaa Gln

1

5

&lt;210&gt; 4

&lt;211&gt; 3

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

## 9482 Sequence listing.txt

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (2)..(2)

&lt;223&gt; Xaa at position 2 = any amino acid residue having an aliphatic side chain

&lt;400&gt; 4

Ser Xaa Ser  
1

&lt;210&gt; 5

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (2)..(2)

&lt;223&gt; Xaa at position 2 = any amino acid residue

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (4)..(4)

&lt;223&gt; Xaa at position 4 = any amino acid residue

&lt;400&gt; 5

Pro Xaa Leu Xaa Thr  
1 5

&lt;210&gt; 6

## 9482 sequence listing.txt

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;400&gt; 6

Pro Ala Leu Lys Thr  
1 5

&lt;210&gt; 7

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (2)..(2)

&lt;223&gt; Xaa at position 2 = any amino acid residue

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (4)..(4)

&lt;223&gt; Xaa at position 4 = any amino acid residue

&lt;400&gt; 7

Pro Xaa Asn Xaa Thr  
1 5

&lt;210&gt; 8

&lt;211&gt; 5

## 9482 Sequence listing.txt

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 8

Pro Ser Asn Ser Thr  
1 5

<210> 9

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 9

Pro Pro Asn Thr Thr  
1 5

<210> 10

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<220>

<221> MISC\_FEATURE

<222> (2)..(4)

<223> Xaa at position 2 = any amino acid residue, Xaa at position 3 = any amino acid residue, Xaa at position 4 = any amino acid residue

<220>

## 9482 Sequence listing.txt

<221> MISC\_FEATURE

<222> (6)..(6)

<223> Xaa at position 6 = any amino acid residue

<400> 10

Pro Xaa Xaa Xaa Thr Xaa  
1 5

<210> 11

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<220>

<221> MISC\_FEATURE

<222> (2)..(2)

<223> Xaa at position 2 = any amino acid residue

<220>

<221> MISC\_FEATURE

<222> (4)..(4)

<223> Xaa at position 4 = any amino acid residue

<220>

<221> MISC\_FEATURE

<222> (6)..(6)

<223> Xaa at position 6 = any amino acid residue

<400> 11

Pro Xaa Leu Xaa Thr Xaa  
1 5

## 9482 Sequence listing.txt

<210> 12

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<220>

<221> MISC\_FEATURE

<222> (2)..(2)

<223> Xaa at position 2 = any amino acid residue

<220>

<221> MISC\_FEATURE

<222> (4)..(4)

<223> Xaa at position 4 = any amino acid residue

<220>

<221> MISC\_FEATURE

<222> (6)..(6)

<223> Xaa at position 6 = any amino acid residue

<400> 12

Pro Xaa Asn Xaa Thr Xaa  
1 5

<210> 13

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

## 9482 Sequence listing.txt

<223> Peptide ligand

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa at position 1 = any amino acid residue

<220>

<221> MISC\_FEATURE

<222> (3)..(5)

<223> Xaa at position 3 = any amino acid residue, Xaa at position 4 = any amino acid residue, Xaa at position 5 = any amino acid residue

<400> 13

Xaa Pro Xaa Xaa Xaa Thr  
1 5

<210> 14

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa at position 1 = any amino acid residue

<220>

<221> MISC\_FEATURE

<222> (3)..(5)

<223> Xaa at position 3 = any amino acid residue, Xaa at position 4 = any amino acid residue, Xaa at position 5 = any amino acid residue



## 9482 Sequence listing.txt

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (7)..(7)

&lt;223&gt; Xaa at position 7 = any amino acid residue

&lt;400&gt; 14

Xaa Pro Xaa Xaa Xaa Thr Xaa  
1 5

&lt;210&gt; 15

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;400&gt; 15

Ala Pro Ser Asn Ser Thr Ala  
1 5

&lt;210&gt; 16

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;400&gt; 16

Ser Pro Ala Leu Lys Thr Val  
1 5

&lt;210&gt; 17

&lt;211&gt; 7

&lt;212&gt; PRT

<213> Artificial Sequence 9482 Sequence listing.txt

<220>

<223> Peptide ligand

<400> 17

Ser Thr Pro Pro Asn Thr Thr  
1 5

<210> 18

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 18

Pro Ser Asn Ser  
1

<210> 19

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 19

Pro Ser Leu Ser  
1

<210> 20

<211> 5

<212> PRT

<213> Artificial Sequence

## 9482 Sequence listing.txt

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (1)..(1)

&lt;223&gt; Xaa at position 1 = Ala or Lys

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (4)..(4)

&lt;223&gt; Xaa at position 4 = any amino acid residue

&lt;400&gt; 20

Xaa Pro Ser Xaa Ser  
1 5

&lt;210&gt; 21

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;400&gt; 21

Ala Pro Ser Asn Ser  
1 5

&lt;210&gt; 22

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

## 9482 Sequence listing.txt

<223> Peptide ligand

<400> 22

Leu Pro Ser Leu Ser  
1 5

<210> 23

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 23

Met Leu Pro Ser Leu Ser  
1 5

<210> 24

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 24

Pro Met Leu Pro Ser Leu Ser  
1 5

<210> 25

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 25

## 9482 Sequence listing.txt

Ser Gln Lys Asn Pro Gln Met  
1 5

<210> 26

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 26

Phe Gln Ser Gln Tyr Gln Lys  
1 5

<210> 27

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 27

Met Ala Ser Ile Ser Met Lys  
1 5

<210> 28

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 28

Asp Trp Trp His Thr Ser Ala  
1 5

## 9482 Sequence listing.txt

&lt;210&gt; 29

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;400&gt; 29

Ser His Val Lys Leu Asn Ser  
1 5

&lt;210&gt; 30

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;400&gt; 30

Gln Leu Leu Thr Gly Ala Ser  
1 5

&lt;210&gt; 31

&lt;211&gt; 7

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;400&gt; 31

Thr Ala Arg Asp Tyr Arg Leu  
1 5

&lt;210&gt; 32

## 9482 Sequence listing.txt

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 32

Phe Pro Arg Ala Pro His His  
1 5

<210> 33

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 33

Ser Glu Trp Leu Ser Ala Leu  
1 5

<210> 34

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 34

Ile Gly Gly Ile Arg Arg His  
1 5

<210> 35

<211> 7

## 9482 Sequence listing.txt

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 35

Tyr Thr Met Glu Phe Asn Arg  
1 5

<210> 36

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 36

Pro Ala Ala Tyr Lys Ala His  
1 5

<210> 37

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<220>

<221> MISC\_FEATURE

<222> (2)..(4)

<223> Xaa at position 2 = any amino acid residue, Xaa at position 3 = a  
ny amino acid residue, Xaa at position 4 = any amino acid residue

<220>



## 9482 Sequence listing.txt

<221> MISC\_FEATURE

<222> (6)..(6)

<223> Xaa at position 6 = Ala or Val

<400> 37

Pro Xaa Xaa Xaa Thr Xaa  
1 5

<210> 38

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<220>

<221> MISC\_FEATURE

<222> (2)..(2)

<223> Xaa at position 2 = any amino acid residue,

<220>

<221> MISC\_FEATURE

<222> (4)..(4)

<223> Xaa at position 4 = any amino acid residue,

<400> 38

Pro Xaa Asn Xaa Thr  
1 5

<210> 39

<211> 5

<212> PRT

<213> Artificial Sequence

## 9482 Sequence listing.txt

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (2)..(4)

<223> Xaa at position 2 = any amino acid residue, Xaa at position 3 = A  
sn or Leu, Xaa at position 4 = any amino acid residue

&lt;400&gt; 39

Pro Xaa Xaa Xaa Thr  
1 5

&lt;210&gt; 40

&lt;211&gt; 5

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (2)..(2)

&lt;223&gt; Xaa at position 2 = any amino acid residue

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (4)..(4)

&lt;223&gt; Xaa at position = Thr or Ser

&lt;400&gt; 40

Pro Xaa Asn Xaa Thr  
1 5

&lt;210&gt; 41

## 9482 Sequence listing.txt

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<220>

<221> MISC\_FEATURE

<222> (1)..(1)

<223> Xaa at position 1 = Ala or Leu

<220>

<221> MISC\_FEATURE

<222> (4)..(4)

<223> Xaa at position 4 = any amino acid residue

<400> 41

Xaa Pro Ser Xaa Ser  
1 5

<210> 42

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<220>

<221> MISC\_FEATURE

<222> (2)..(4)

<223> Xaa at position 2 = any amino acid residue, Xaa at position 3 = A  
sn or Gln, Xaa at position 3 = any amino acid residue

## 9482 Sequence listing.txt

&lt;400&gt; 42

Gln Xaa Xaa Xaa Gln  
1 5

&lt;210&gt; 43

&lt;211&gt; 3

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;220&gt;

&lt;221&gt; MISC\_FEATURE

&lt;222&gt; (2)..(2)

&lt;223&gt; Xaa at position 2 = Leu or Ile

&lt;400&gt; 43

Ser Xaa Ser  
1

&lt;210&gt; 44

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;400&gt; 44

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
1 5 10 15Gly Ala Cys Ser His Val Lys Leu Asn Ser Cys Gly  
20 25

&lt;210&gt; 45

## 9482 Sequence listing.txt

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;400&gt; 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
1 5 10 15

Gly Ala Cys Ala Pro Ser Asn Ser Thr Ala Cys Gly  
20 25

&lt;210&gt; 46

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;400&gt; 46

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
1 5 10 15

Gly Ala Cys Met Ala Ser Ile Ser Met Lys Cys Gly  
20 25

&lt;210&gt; 47

&lt;211&gt; 28

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;400&gt; 47

Lvs Lvs Lvs Lvs Lvs Lvs Lvs Lvs Lvs Lvs Lvs Lvs Lvs Lvs Lvs Lvs

1 5 9482 Sequence listing.txt 10 15

Gly Ala Cys Phe Pro Arg Ala Pro His His Cys Gly  
20 25

<210> 48

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 48

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
1 5 10 15

Gly Ala Cys Asp Trp Trp His Thr Ser Ala Cys Gly  
20 25

<210> 49

<211> 28

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide ligand

<400> 49

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
1 5 10 15

Gly Ala Cys Arg Arg Glu Thr Ala Trp Ala Cys Gly  
20 25

<210> 50

<211> 28

<212> PRT

<213> Artificial Sequence

## 9482 Sequence listing.txt

&lt;220&gt;

&lt;223&gt; Peptide ligand

&lt;400&gt; 50

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys  
1 5 10 15

Gly Ala Cys Ala Thr Arg Trp Ala Arg Glu Cys Gly  
20 25